Validated By CRFValidator v 1.0.3

Application No: 10591095 Version No: 2.0

Input Set:

Output Set:

Started: 2009-09-15 19:03:30.053
Finished: 2009-09-15 19:03:31.022
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 969 ms
Total Warnings: 8
Total Errors: 0
No. of SeqIDs Defined: 11
Actual SeqID Count: 11

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)

SEQUENCE LISTING

<110> Frankard, Valerie

<120> Plants having increased yield and method for making the same

<130> 14546-00001-US

<140> 10591095
<141> 2006-09-20

<150> PCT/EP2005/050874
<151> 2005-03-01

<150> EP 04100841.5
<151> 2004-03-01

<150> US 60/550,918
<151> 2004-03-05

<160> 11

<170> PatentIn version 3.3

<210> 1
<211> 1256
<212> DNA
<213> Arabidopsis thaliana

<400> 1
atggaacagc cgaagaaagt tgctgatagg tatctaaagc gagaggttct tggtcaaggt 60

acttatggag tcgtcttcaa agctactgat acaaagaatg gagaaactgt agcgatcaag 120

aaaataagac ttggtaaaga gaaagaaggt gtgaatgtaa cagctcttag agaaatcaaa 180

ttacttaaag agcttaagca tccacatata attgagttga ttgatgcgtt tcctcacaag 240

gagaatttgc acatcgtgtt tgagttcatg gagactgatc tcgaagcagt tatccgagat 300

cgtaatctct atctttcgcc tggtgatgtc aaatcttacc tccaaatgat attgaaaggt 360

cttgaatatt gccatggcaa atgggttctg cacagagata tgaagccaaa caacttgttg 420

ataggaccca atggacagct gaaacttgca gattttgggt tagcacgtat atttggtagc 480

ccaggtcgta agtttaccca ccaggtgttt gctagatggt atagagcacc tgaacttttg 540

tttggtgcaa aacaatatga tggtgcagtt gatgtttggg ctgctggctg catttttgct 600

gaacttctat tacgcagacc atttcttcag ggaaacagtg atattgatca attaagcaaa 660

atctttgctg cctttgggac tccaaaagca gatcagtggc ctgacatgat ctgccttcct 720

gattatgtag agtatcaatt tgtccctgct ccttctttac gttctttact cccaacggtt 780

agtgaggatg ctttagattt gttgtcaaag atgttcacct atgaccccaa gtctagaata 840

tcgattcagc aggctctaaa acacaggtac ttcacatctg caccttcacc tactgaccct 900

ttaaagctcc caagaccagt ttccaagcaa gatgctaagt catctgatag taaacttgaa 960

gccattaaag tgctgtcacc agcacataag tttagaagag tgatgcctga ccgaggaaag 1020

tctggtaatg gtttcaagga ccagagtgtt gatgtcatga gacaagctag ccatgatgga 1080

caagcaccaa tgtctttaga tttcaccatc ttagctgagc ggccaccaaa ccgaccaacc 1140

atcaccagtg cagatagatc tcatctgaag aggaaacttg atctcgagtt cctataggat 1200

atcgcgtaac aggcttcttc ttgacgtcgt tcttcaggtt cctatagcct atagga 1256

<210> 2
<211> 398
<212> PRT
<213> Arabidopsis thaliana

<400> 2

Met Glu Gln Pro Lys Lys Val Ala Asp Arg Tyr Leu Lys Arg Glu Val
1 5 10 15

Leu Gly Gln Gly Thr Tyr Gly Val Val Phe Lys Ala Thr Asp Thr Lys
20 25 30

Asn Gly Glu Thr Val Ala Ile Lys Lys Ile Arg Leu Gly Lys Glu Lys
35 40 45

Glu Gly Val Asn Val Thr Ala Leu Arg Glu Ile Lys Leu Leu Lys Glu
50 55 60

Leu Lys His Pro His Ile Ile Glu Leu Ile Asp Ala Phe Pro His Lys
65 70 75 80

Glu Asn Leu His Ile Val Phe Glu Phe Met Glu Thr Asp Leu Glu Ala
85 90 95

Val Ile Arg Asp Arg Asn Leu Tyr Leu Ser Pro Gly Asp Val Lys Ser
100 105 110

Tyr Leu Gln Met Ile Leu Lys Gly Leu Glu Tyr Cys His Gly Lys Trp
115 120 125

Val Leu His Arg Asp Met Lys Pro Asn Asn Leu Leu Ile Gly Pro Asn

```
    130                 135                 140

Gly Gln Leu Lys Leu Ala Asp Phe Gly Leu Ala Arg Ile Phe Gly Ser
145                 150                 155                 160

Pro Gly Arg Lys Phe Thr His Gln Val Phe Ala Arg Trp Tyr Arg Ala
                165                 170                 175

Pro Glu Leu Leu Phe Gly Ala Lys Gln Tyr Asp Gly Ala Val Asp Val
            180                 185                 190

Trp Ala Ala Gly Cys Ile Phe Ala Glu Leu Leu Leu Arg Arg Pro Phe
        195                 200                 205

Leu Gln Gly Asn Ser Asp Ile Asp Gln Leu Ser Lys Ile Phe Ala Ala
    210                 215                 220

Phe Gly Thr Pro Lys Ala Asp Gln Trp Pro Asp Met Ile Cys Leu Pro
225                 230                 235                 240

Asp Tyr Val Glu Tyr Gln Phe Val Pro Ala Pro Ser Leu Arg Ser Leu
                245                 250                 255

Leu Pro Thr Val Ser Glu Asp Ala Leu Asp Leu Leu Ser Lys Met Phe
            260                 265                 270

Thr Tyr Asp Pro Lys Ser Arg Ile Ser Ile Gln Gln Ala Leu Lys His
        275                 280                 285

Arg Tyr Phe Thr Ser Ala Pro Ser Pro Thr Asp Pro Leu Lys Leu Pro
    290                 295                 300

Arg Pro Val Ser Lys Gln Asp Ala Lys Ser Ser Asp Ser Lys Leu Glu
305                 310                 315                 320

Ala Ile Lys Val Leu Ser Pro Ala His Lys Phe Arg Arg Val Met Pro
                325                 330                 335

Asp Arg Gly Lys Ser Gly Asn Gly Phe Lys Asp Gln Ser Val Asp Val
            340                 345                 350

Met Arg Gln Ala Ser His Asp Gly Gln Ala Pro Met Ser Leu Asp Phe
        355                 360                 365
```

```
Thr Ile Leu Ala Glu Arg Pro Pro Asn Arg Pro Thr Ile Thr Ser Ala
    370                 375                 380

Asp Arg Ser His Leu Lys Arg Lys Leu Asp Leu Glu Phe Leu
385                 390                 395
```

<210> 3
<211> 2193
<212> DNA
<213> Oryza sativa

<400> 3

```
aatccgaaaa gtttctgcac cgttttcacc ccctaactaa caatataggg aacgtgtgct     60

aaatataaaa tgagacctta tatatgtagc gctgataact agaactatgc aagaaaaact    120

catccaccta ctttagtggc aatcgggcta aataaaaaag agtcgctaca ctagtttcgt    180

tttccttagt aattaagtgg gaaaatgaaa tcattattgc ttagaatata cgttcacatc    240

tctgtcatga agttaaatta ttcgaggtag ccataattgt catcaaactc ttcttgaata    300

aaaaaatctt tctagctgaa ctcaatgggt aaagagagag attttttttta aaaaaataga    360

atgaagatat tctgaacgta ttggcaaaga tttaaacata taattatata attttatagt    420

ttgtgcattc gtcatatcgc acatcattaa ggacatgtct tactccatcc caatttttat    480

ttagtaatta aagacaattg acttatttttt attatttatc ttttttcgat tagatgcaag    540

gtacttacgc acacactttg tgctcatgtg catgtgtgag tgcacctcct caatacacgt    600

tcaactagca acacatctct aatatcactc gcctatttaa tacatttagg tagcaatatc    660

tgaattcaag cactccacca tcaccagacc acttttaata atatctaaaa tacaaaaaat    720

aattttacag aatagcatga aaagtatgaa acgaactatt taggtttttc acatacaaaa    780

aaaaaaagaa ttttgctcgt gcgcgagcgc caatctccca tattgggcac acaggcaaca    840

acagagtggc tgcccacaga acaacccaca aaaaacgatg atctaacgga ggacagcaag    900

tccgcaacaa ccttttaaca gcaggctttg cggccaggag agaggaggag aggcaaagaa    960

aaccaagcat cctcctcctc ccatctataa attcctcccc ccttttcccc tctctatata   1020

ggaggcatcc aagccaagaa gagggagagc accaaggaca cgcgactagc agaagccgag   1080

cgaccgcctt cttcgatcca tatcttccgg tcgagttctt ggtcgatctc ttccctcctc   1140

cacctcctcc tcacagggta tgtgcccttc ggttgttctt ggatttattg ttctaggttg   1200

tgtagtacgg gcgttgatgt taggaaaggg gatctgtatc tgtgatgatt cctgttcttg   1260
```

gatttgggat agaggggttc ttgatgttgc atgttatcgg ttcggtttga ttagtagtat 1320

ggttttcaat cgtctggaga gctctatgga aatgaaatgg tttagggtac ggaatcttgc 1380

gattttgtga gtacctttg tttgaggtaa aatcagagca ccggtgattt tgcttggtgt 1440

aataaaagta cggttgtttg gtcctcgatt ctggtagtga tgcttctcga tttgacgaag 1500

ctatcctttg tttattccct attgaacaaa aataatccaa ctttgaagac ggtcccgttg 1560

atgagattga atgattgatt cttaagcctg tccaaaattt cgcagctggc ttgtttagat 1620

acagtagtcc ccatcacgaa attcatggaa acagttataa tcctcaggaa caggggattc 1680

cctgttcttc cgatttgctt tagtcccaga attttttttc ccaaatatct taaaaagtca 1740

ctttctggtt cagttcaatg aattgattgc tacaaataat gcttttatag cgttatccta 1800

gctgtagttc agttaatagg taatacccct atagtttagt caggagaaga acttatccga 1860

tttctgatct ccatttttaa ttatatgaaa tgaactgtag cataagcagt attcatttgg 1920

attatttttt ttattagctc tcaccccttc attattctga gctgaaagtc tggcatgaac 1980

tgtcctcaat tttgttttca aattcacatc gattatctat gcattatcct cttgtatcta 2040

cctgtagaag tttctttttg gttattcctt gactgcttga ttacagaaag aaatttatga 2100

agctgtaatc gggatagtta tactgcttgt tcttatgatt catttccttt gtgcagttct 2160

tggtgtagct tgccactttc accagcaaag ttc 2193

<210> 4
<211> 53
<212> DNA
<213> Artificial sequence

<220>
<223> primer prm2676

<400> 4
ggggacaagt ttgtacaaaa aagcaggctt cacaatggaa cagccgaaga aag 53

<210> 5
<211> 53
<212> DNA
<213> Artificial sequence

<220>
<223> primer prm2677

<400> 5
ggggaccact ttgtacaaga aagctgggtc ctataggaac tcgagatcaa gtt 53

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from a D-type Cyclin Dependent Kinase

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa can be any naturally occurring amino acid

<400> 6

Asn Xaa Thr Ala Leu Arg Glu
1 5

<210> 7
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from an A-type Cyclin-Dependent Kinase

<400> 7

Pro Ser Thr Ala Ile Arg Glu
1 5

<210> 8
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from a B-type Cyclin-Dependent Kinase

<220>
<221> misc_feature
<222> (2)..(2)
<223> Xaa is Pro or Ser

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa is Ala or Thr

220>
<221> misc_feature

<222> (5)..(5)
<223> Xaa is Leu or Met

<400> 8

Pro Xaa Thr Xaa Xaa Arg Glu
1   5

<210> 9
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from C-type Cyclin-Dependent Kinase

<400> 9

Pro Ile Thr Ala Ile Arg Glu
1   5

<210> 10
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from E-type Cyclin-Dependent Kinase

<400> 10

Ser Pro Thr Ala Arg Glu
1   5

<210> 11
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Motif from F-type Cyclin-Dependent Kinase

<220>
<221> misc_feature
<222> (1)..(1)
<223> Xaa can be any naturally occurring amino acid

<220>
<221> misc_feature
<222> (4)..(4)
<223> Xaa can be any naturally occurring amino acid

<400> 11

Xaa Ser Ala Xaa Arg Glu
1 5